

**Amendments to the Claims:**

This listing of claims replaces all prior versions and listings of claims in the application.

**Listing of Claims:**

1           Claim 1. (*Currently Amended*) An optical device having at least one slit at a desired  
2   location of a polygonal planar optical waveguide formed on a substrate, and carrying out optical  
3   path switching of signal light or control of quantity of light of an optical beam by moving an  
4   insertion plate up and down in the slit, said optical device comprising:

5           flat insertion plate holding means for holding said insertion plate ~~[[,]] said insertion plate~~  
6   ~~holding means having electric wiring; and~~

7           an electric wiring formed on said insertion plate holding means; and

8           a flat magnet placed in a manner that said magnet faces a surface of said insertion plate  
9   holding means opposite to a surface facing said optical waveguide, said magnet being placed so  
10 that a magnetic field is applied to at least one part of said electric wiring, wherein

11          Lorentz force caused by interaction between current flowing through said electric wiring  
12   and magnetic field generated by said magnet formed separately from said insertion plate  
13   displaces said insertion plate holding means to drive said insertion plate.

1           Claim 2. (*Previously Presented*) The optical device as claimed in claim 1, wherein said  
2           magnet has a size and shape that enable a projected image of said magnet onto said  
3           optical waveguide from a vertical direction to go in a face of said optical waveguide.

1           Claim 3. (*Previously Presented*) The optical device as claimed in claim 1, wherein said  
2           magnet is placed in a manner that extended directions of linear portions of edges obtained by  
3           projecting said magnet onto said optical waveguide from a vertical direction do not intersect at  
4           right angles with a direction of a magnetic field generated by said magnet.